

## INTERNATIONAL SEARCH REPORT

International Application No

PCT/IB2004/051302

A. CLASSIFICATION OF SUBJECT MATTER  
 IPC 7 G06F9/30 G06F9/35

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)  
 IPC 7 G06F

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the International search (name of data base and, where practical, search terms used)

EPO-Internal, INSPEC, IBM-TDB

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	GB 2 321 121 A (NIPPON ELECTRIC CO) 15 July 1998 (1998-07-15) page 8, line 23 - page 11, line 25; figure 4	1-17
A	EP 0 224 691 A (IBM) 10 June 1987 (1987-06-10) page 3, line 20 - line 32; figures 2A-2D	1-17
A	US 6 052 766 A (FERNANDO JOHN S ET AL) 18 April 2000 (2000-04-18) column 3, line 25 - line 59; figure 2	1-17

☐ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

## \* Special categories of cited documents:

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- \* & \* document member of the same patent family

Date of the actual completion of the international search

10 November 2004

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18/11/2004

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# INTERNATIONAL SEARCH REPORT

Information on patent family members

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Patent document cited in search report		Publication date	Patent family member(s)	Publication date
GB 2321121	A	15-07-1998	JP 2845844 B2	13-01-1999
			JP 10124309 A	15-05-1998
EP 0224691	A	10-06-1987	US 4766535 A	23-08-1988
			DE 3687739 D1	25-03-1993
			DE 3687739 T2	19-08-1993
			DE 3688186 D1	06-05-1993
			EP 0227900 A2	08-07-1987
			EP 0224691 A2	10-06-1987
			JP 4077346 B	08-12-1992
			JP 62134763 A	17-06-1987
			JP 2531648 B2	04-09-1996
			JP 62147546 A	01-07-1987
US 6052766	A	18-04-2000	NONE	